

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P27161	Application No. 10/605,672		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Bruce B. DORIS <i>et al.</i>			
				Filing Date October 16, 2003		Group 2812	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SDE		US 2002/0063292 A1	5-30-2002	Armstrong et al.			
		US 2003/0032261 A1	2-13-2003	Yeh et al.			
		US 2003/0040158 A1	2-27-2003	Saitoh			
		US 2004/0238914 A1	12-2-2004	Deshpande et al.			
		US 2004/0262784 A1	12-30-2004	Doris et al.			
		US 2005/0040460 A1	2-24-2005	Chidambarrao et al.			
		US 2005/0082634 A1	4-21-2005	Doris et al.			
		US 2005/0093030 A1	5-5-2005	Doris et al.			
		US 2005/0098829 A1	5-12-2005	Doris et al.			
		US 2005/0106799 A1	5-19-2005	Doris et al.			
		US 2005/0145954 A1	7-7-2005	Zhu et al.			
		US 2005/0148146 A1	7-7-2005	Doris et al.			
		US 2005/0194699 A1	9-8-2005	Belyansky et al.			
		US 2005/0236668 A1	10-27-2005	Zhu et al.			
		US 2005/0245017 A1	11-3-2005	Belyansky et al.			
		US 2005/0280051 A1	12-22-2005	Chidambarrao et al.			
		US 2005/0282325 A1	12-22-2005	Belyansky et al.			
		US 2006/0027868 A1	2-9-2006	Doris et al.			
		US 2006/0057787 A1	3-16-2006	Doris et al.			
		US 2006/0060925 A1	3-23-2006	Doris et al.			
		6,483,171	11-19-2002	Forbes et al.			
		6,831,292	12-14-2004	Currie et al.			
		6,717,216	4-6-2004	Doris et al.			
		6,825,529	11-30-2004	Chidambarrao et al.			
		7,015,082	3-21-2006	Doris et al.			
	6,974,981	12-13-2005	Chidambarrao et al.				
	6,977,194	12-20-2005	Belyansky et al.				
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
SDE		JP 64-76755	3-22-1989	Japan			X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <i>Stanley D. Danc</i>				DATE CONSIDERED <i>6/23/06</i>			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P27161	Application No. 10/605,672
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Bruce B. Doris et al.	
				Filing Date October 16, 2003	Group 2812

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
SDE	G. Zhang, et al., "A New 'Mixed-Mode' Reliability Degradation Mechanism in Advanced Si and SiGe Bipolar Transistors." IEEE Transactions on Electron Devices, vol. 49, no. 12, December 2002, pp. 2151-56.
	H.S. Momose, et al., "Temperature Dependence of Emitter-Base Reverse Stress Degradation and its Mechanism Analyzed by MOS Structures." 1989 IEEE, Paper 6.2, pp. 140-143.
	C.J. Huang, et al., "Temperature Dependence and Post-Stress Recovery of Hot Electron Degradation Effects in Bipolar Transistors." IEEE 1991, Bipolar Circuits and Technology Meeting 7.5, pp. 170-173.
	S.R. Sheng, et al., "Degradation and Recovery of SiGe HBTs Following Radiation and Hot-Carrier Stressing." pp. 14-15.
	Z. Yang, et al., "Avalanche Current Induced Hot Carrier Degradation in 200 GHz SiGe Heterojunction Bipolar Transistors." pp. 1-5.
	H. Li, et al., "Design of W-Band VCOs with High Output Power for Potential Application in 77 GHz Automotive Radar Systems." 2003, IEEE GaAs Digest, pp. 263-66.
	H. Wurzer, et al., "Annealing of Degraded non-Transistors-Mechanisms and Modeling." IEEE Transactions on Electron Devices, vol. 41, no. 4, April 1994, pp. 533-38.
	B. Doyle, et al., "Recovery of Hot-Carrier Damage in Reoxidized Nitrided Oxide MOSFETs." IEEE Electron Device Letters, vol. 13, no. 1, January 1992, pp. 38-40
	H.S. Momose, et al. "Analysis of the Temperature Dependence of Hot-Carrier-Induced Degradation in Bipolar Transistors for Bi-CMOS." IEEE Transactions on Electron Devices, vol. 41, no. 6, June 1994, pp. 978-987.
	M. Khater, et al., "SiGe HBT Technology with $F_{max}/f_t = 350/300$ GHz and Gate Delay Below 3.3 ps". 2004 IEEE, 4 pages.
	J.C. Bean, et al., "GEx Si 1-x/Si Strained-Layer Superlattice Grown by Molecular Beam Epitaxy". J. Vac. Sci. Technol. A 2(2), Apr.-June 1984, pp. 436-440.
	J.H. Van Der Merve, "Regular Articles". Journal of Applied Physics, Volume 34, No. 1, January 1963, pp. 117-122.
	J.W. Matthews, et al., "Defects in Epitaxial Multilayers". Journal of Crystal Growth 27 (1974), pp. 118-125.
	Subramanian S. Iyer, et al. " Heterojunction Bipolar Transistors Using Si-Ge Alloys". IEEE Transactions on Electron Devices, Vol. 36, No. 10, October 1989, pp. 2043-2064
	R.H.M. Van De Leur, et al., "Critical Thickness for Pseudomorphic Growth of Si/Ge Alloys and Superlattices". J. Appl. Phys. 64 (6), 15 September 1988, pp. 3043-3050
	D.C. Houghton, et al., "Equilibrium Critical Thickness for Si 1-x GEx Strained Layers on (100) Si". Appl. Phys. Lett. 56 (5), 29 January 1990, pp. 460-462
	Q. Quyang et al., "Two-Dimensional Bandgap Engineering in a Novel Si/SiGe pMOSFET with Enhanced Device Performance and Scalability". 2000, IEEE, pp. 151-154.

EXAMINER Stantha Dora	DATE CONSIDERED 6/23/06
------------------------------	--------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.